

## COMPOSITION:

Empire Rollers & Coatings manufactures heating and cooling rolls with our proprietary *thermEnamel* coating. These rolls maintain substrate temperatures by circulating temperature-controlled fluids through the center of the roll. The *thermEnamel* coating has superior thermal conductivity properties to allow precise temperature control across the roll face and your substrate. Whether you're working in laminating, coating, extruding, or another specialized application, Empire Rollers & Coatings can design and build a heating and cooling roll to optimize your process.

## PERFORMANCE BENEFITS:

*thermEnamel* Heating & Cooling rolls provide consistent web temperatures across the entire roll face, even through long production runs or increases in line speeds. Our rolls maintain temperatures within  $\pm 1$  degree F. *thermEnamel* rolls work well with all types of thermal transfer fluids such as glycol, hot oil, water, and specialty chemicals.

Our *thermEnamel* Heating & Cooling rolls are used in a wide range of converting processes, including paper processing, plastic sheet manufacturing, adhesive coating, and engineered film applications. We have the ability to engineer to your exact specifications while providing a product that ensures long life and minimal maintenance.

## SPECIFICATIONS:

Thermal Conductivity	Excellent
Processing Temperatures (continuous)	0 to 450F
Corrosion Resistance	Excellent
Face Length	Up to 136.0"
Abrasion Resistance	Excellent
Surface Finish	To customer specification
Diameters	2.0" to 20.0"

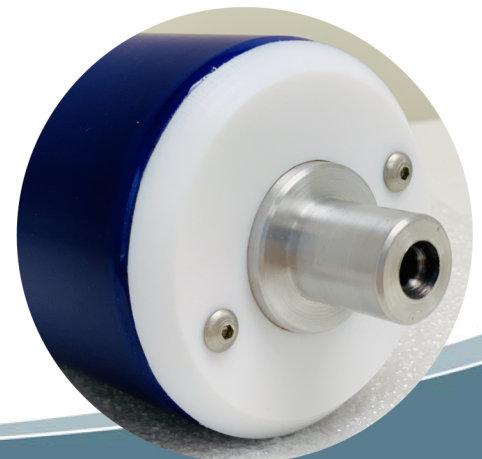
## FOR USE IN

Plastics, Cast Film,  
Paper, Textiles, Non-  
Woven, Laminating,  
Extruding, Converting,  
and Flexographic

## CALL US

Speak with one of  
our Engineers:  
**585.924.2020**

**thermEnamel<sup>®</sup>**  
coating for heating & cooling transfer



THE BEST COATINGS FOR YOUR MOST DIFFICULT APPLICATIONS

[empirerollersandcoatings.com](http://empirerollersandcoatings.com)